

CLAIMS:

1. A display data creating apparatus that creates
5 display data representing a plurality of display
sections, each of the display sections containing a
prescribed type of information, in response to a
request from a client apparatus supplied via a
network, and transmits the display data to the client
10 apparatus via the network, the display data creating
apparatus comprising:
a determination part that determines for at least
one of the display sections whether the information
to be contained in a current display section
15 satisfies a prescribed condition; and
a display data creating part that updates the
current display section in accordance with the
determination result to create the display data.

20

2. The display data creating apparatus of claim 1,
further comprising:
25 a display configuration managing part that

manages information about a determination function
used in the determination carried out for the current
display section, wherein the determination part
determines whether the prescribed condition is
5 satisfied in the current display section based on the
determination function.

10

3. The display data creating apparatus of claim 1,
wherein the prescribed condition varies for each of
the display sections.

15

4. The display data creating apparatus of claim 1,
wherein the determination part further determines
20 whether the information to be contained in the
current display section has been updated.

25

5. The display data creating apparatus of claim 1,
wherein if the determination part determines that the
prescribed condition is satisfied, then the display
data creating part creates the display data so that
5 the current display section is emphasized.

10 6. The display data creating apparatus of claim 5,
wherein the display data creating part creates the
display data so that the current display section is
expanded when the prescribed condition is satisfied.

15

7. The display data creating apparatus of claim 5,
wherein the display data creating part creates the
20 display data so that the current display section is
arranged so as not to be below the other display
sections.

25

8. The display data creating apparatus of claim 1,
wherein when the determination part determines that
the prescribed condition is not satisfied for the
5 current display section, then the display data
creating part creates the display data so that the
current display section is minimized.

10

9. The display data creating apparatus of claim 2,
wherein the display configuration managing part
further manages display configuration data defining
15 the configuration of each of the display sections,
wherein the display data creating part updates the
current display section based on the display
configuration data managed by the display
configuration managing part.

20

10. The display data creating apparatus of claim 9,
25 wherein the display configuration data of each of

said at least one of the display sections includes the information about the determination function.

5

11 The display data creating apparatus of claim 9,
wherein the display configuration data includes
information indicating whether or not the prescribed
condition is set for each of the display sections,
10 and the display configuration data defining the
display section for which the prescribed condition is
set includes the information about the determination
function.

15

12. The display data creating apparatus of claim 9,
wherein the display configuration data includes an
20 information acquiring function required to obtain
necessary information for each of the display
sections, wherein the display data creating part
acquires the information to be contained in the
current display section based on the corresponding
25 information acquiring function.

5 13. The display data creating apparatus of claim 1,
wherein:

the information to be contained in the current
display section is information representing the
condition of equipment connected on the network;

10 the determination part determines whether
malfunction has occurred in the equipment; and

the display data creating part updates the
current display section so as to indicate the
occurrence of malfunction if it is determined that
15 malfunction has occurred in the equipment.

20 14, The display data creating apparatus of claim 1,
wherein:

the information to be contained in the current
display section is information stored in a database
connected on the network;

25 the determination part determines whether the

database has been updated; and

the display data creating part updates the
current display section so as to present the
information stored in the database if it is
5 determined that the database has been updated.

10 15. A display data transmission system comprising:

a client apparatus; and

a display data creating apparatus configured to
create display data comprised of a plurality of
display sections, each display section containing a
15 prescribed type of information, in response to a
request supplied from the client apparatus via a
network, and to transmit the display data to the
client apparatus, the display data creating apparatus
comprising:

20 a determination part that determines for at
least one of the display sections whether the
information to be contained in a current display
section satisfies a prescribed condition; and

a display data creating part that updates
25 the layout of the current display section in

accordance with the determination result to
create the display data.

5

16. A method for transmitting display data comprised
of a plurality of display sections, each display
section containing a prescribed type of information,
10 to a client apparatus, comprising the steps of:
 upon receiving a request from the client
 apparatus, determining for at least one of the
 display sections whether information to be contained
 in a current display section satisfies a prescribed
15 condition;
 creating the display data by updating the current
 display section in accordance with the determination
 result; and
 transmitting the created display data to the
20 client apparatus via a network.

- 25 17. The method of claim 16, further comprising the

step of:

setting in advance the prescribed condition for
each of said at least one of the display sections,
the condition being different for each of the display
5 sections.

10 18. The method of claim 16, wherein the determination
step includes determining whether the information to
be contained in the current display section has been
updated.

15

19. The method of claim 16, wherein if the prescribed
condition is satisfied in the determination step,
20 then, the display data are created so as to emphasize
the current display section.

25

20. The method of claim 19, wherein the display data are created so as to expand the current display section if the prescribed condition is satisfied in the current display section.

5

21. The method of claim 19, wherein the display data are created so that the current display section is arranged so as not to be below the other display sections if the prescribed condition is satisfied in the current display section.

15

22. The method of claim 16, wherein if it is determined that the prescribed condition is not satisfied in the determination step, then, the display data are created so as to minimize the current display section.

25

23. The method of claim 16, wherein:

the information to be contained in the current
display section is malfunction information indicates
5 whether malfunction has occurred in equipment
connected on the network;

the determination step includes determining
whether the malfunction information indicating that
malfunction has occurred in the equipment; and

10 the display data are created so as to indicate
the occurrence of malfunction if it is determined
that malfunction has occurred in the equipment in the
determination step.

15

24. The method of claim 16, wherein:

the information to be contained in the current
20 display section is database information representing
information stored in a database connected on the
network;

the determination step includes determining
whether the database information indicates that the
25 database has been updated; and

the display data are created so as to present the information stored in the database if it is determined that the database has been updated in the determination step.

5

25. A machine readable program executed by a display
10 data creating apparatus that creates display data
comprised of a plurality of display sections, each
display section containing a prescribed type of
information, in response to a request from a client
apparatus, the program comprising instructions of;
15 upon the request, causing the display data
creating apparatus to determine for at least one of
the display sections whether information to be
displayed in a current display section satisfies a
prescribed condition;
20 causing the display data creating apparatus to
update the current display section in accordance with
the determination result to create the display data;
and
causing the display data creating apparatus to
25 transmit the created display data to the client

apparatus via the network.

5

26. A recording medium storing a machine readable
program executed by a display data creating apparatus
that creates display data comprised of a plurality of
display sections, each display section containing a
10 prescribed type of information, in response to a
request from a client apparatus, the program
comprising instructions of;

upon the request, causing the display data
creating apparatus to determine for at least one of
15 the display sections whether information to be
displayed in a current display section satisfies a
prescribed condition;

causing the display data creating apparatus to
update the current display section in accordance with
20 the determination result to create the display data;
and

causing the display data creating apparatus to
transmit the created display data to the client
apparatus via the network.

25